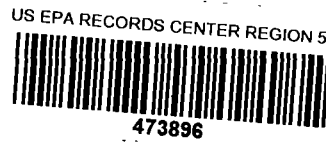


Thomas Hilbert
Environmental Engineer
Winnebago Reclamation
8403 Lindenwood Rd.
Rockford, IL 61109
(815) 874-4806
May 6, 1995



Recycling and
waste disposal

Mr. Bernie Schorle
Remedial Project Manager
United State Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, IL 60604-3590
Re: Monthly Progress Report

Dear Bernie:

4920 Forest
Hills Road
Loves Park
Illinois 61111

Enclosed is the March and April monthly progress report for the Pagel Landfill RD/RA. If you have any questions or feel that any portion of the report is in error, please feel free to give me a call.

P.O. Box 2071
Loves Park
Illinois 61130

Sincerely,

A handwritten signature in cursive script, appearing to read "TH Hilbert".

Thomas Hilbert

815.654.5952
Fax 815.654.4717

MONTHLY PROGRESS REPORT

Prepared for the Pagel Landfill Remedial Design and Remedial Action

SITE NAME/ACTIVITY

Winnebago Reclamation Landfill (Pagel Landfill)
Remedial Design/Remedial Action

REPORT PERIOD

March 1995

REPORT DATE

April 1995

SIGNIFICANT ACTIVITY DURING THIS REPORTING PERIOD

The installation of 9 additional groundwater monitoring wells was completed during March. Draft well construction details, boring logs and survey information are enclosed. A list of the new well designations are presented in the Sampling and Testing summary. The nine wells were installed as four nested well groupings comprised of 2 wells at each group. One additional well was installed as single well due to the existing geology at the well location. All new wells were completed within the unconsolidated materials which comprise the uppermost aquifer at the site. The new wells were developed by overpumping and surging until clean, representative formation water was observed in the pump discharge. Approximately 200-300 gallons were removed from each well during development at a rate of 3-7 gpm.

The Preliminary Design for the groundwater treatment system is scheduled for submittal on April 10, 1995.

SAMPLING AND TESTING

The 9 new wells, 16 existing wells and 4 landfill leachate extraction wells were sampled the week of March 27th. The full list of wells and analytical parameters are enclosed as an attachment. The following is a list of the new well designations:

G33S	G33D	G34S	G34D	G35S	G35D
G36	G37S	G37D			

DOCUMENTS SUBMITTED

The following is a list of submittals that have been submitted and are under review for approval and/or comments by the USEPA:

1. **30% Design Submittal for Remedial Action Components Outlined in The Landfill Management, Monitoring, and Closure Plan.** This document was submitted July 1994.

PROJECT COMPLETION'S

The following item(s) have been approved and completed:

Land Notification Requirements

1. **Notice of Consent Decree.** This notification has been filed at the Winnebago County Recorder of Deeds office.
2. **Notice of obligation to provide access and deed restrictions.** This notification has been filed at the Winnebago County Recorder of Deeds office.
3. **Notification that hazardous substances were disposed of on the property.** This notification has been filed in the land records at the Winnebago County Recorders' office.
4. **Deed/Use Restrictions.** A deed/use restriction identical in form to appendix F of the Consent Decree has been filed in the land records at the Winnebago County Recorders' office.

Financial Assurance

5. **Letter of Credit and Trust Fund.** A letter of credit in the amount of \$3.5 million has been issued by Bank One of Milwaukee, WI. A trust fund opened under the terms set forth in Appendix H of the Consent Decree has been established with First of America Bank of Rockford, IL. The Trustee of the fund has been approved by the USEPA and the third annual installment of \$400,000 into the fund was made during Jan-Feb., 1995.
6. **Reimbursement for Past Response Costs.** Payment for "Past Response Costs" of \$492,000 to the USEPA for project oversight have been arranged and were paid during March 1993.

Project Planning Documents

7. Overall RD/RA Work Plan.
8. Health and Safety Plan.
9. Quality Assurance Project Plan.

PROJECT COMPLETION'S - Cont'nd

10. RD/RA Work Plan - Groundwater Extraction and Treatment.
11. Landfill Management, Closure and Monitoring Remedial Design Work Plan.
12. Pumping Test Plan.

Field Work and Sampling

13. Phase I predesign studies for the groundwater extraction system. Groundwater sampling and piezometric surface elevations.
14. Phase II predesign studies for the groundwater extraction system. Drilling two new nested well groups (4 wells), piezometric surface elevations, and groundwater sampling from 12 wells.
15. Pumping test studies for the groundwater extraction system. Drilling two observation wells, one extraction well, and one bedrock groundwater monitoring well. In addition, groundwater samples were collected and a pumping test was performed.
16. Additional investigation west of Kilbuck creek and Northwest of fill area. Installation of 9 wells and collection of groundwater samples.

Predesign and Design Documents

17. Technical Memorandum summarizing Phase I predesign study results for the groundwater remedial design.

FUTURE ACTIVITIES

Completion of groundwater flow model, and submittal of the Preliminary Design for the groundwater pump and treat system.

ANTICIPATED PROJECT DELAYS

None are noted

COMMUNITY RELATIONS PLAN

A Community Relations Plan has not been developed for the Remedial Design/Remedial Action.

PREPARED BY:

Thomas Hilbert
Environmental Engineer
Winnebago Reclamation Service, Inc.
8403 Lindenwood Rd.
815/874-4806
Rockford, IL 61109

CC: Bernie Schorle - USEPA Remedial Project Manager, Region V
Alan Tennenbaum - U. S. Dept. of Justice, Environment and Natural Resources Div.
Fred Nika - IEPA Remedial Project Manager, Federal Section
Dan Burnell - GeoTrans, Inc., Supervising contractor
Raj Rajaram - PRC Environmental, USEPA Oversight Contractor

Enclosures:

- 1) Groundwater and leachate sampling list.

GROUNDWATER MONITORING WINNEBAGO RECLAMATION SERVICE

PAGEL LANDFILL

Wells monitored for determining groundwater chemistry of proposed Groundwater Management zone

PROGRAM No. 2

WELL NUMBER	EASTING	NORTHING	HYDRAULIC CONDUCTIVITY (cm/s)	MEASURING POINT ELEV. TOIC	SAMPLED INTERVAL*	SAMPLE LIST
G115	800020.5	2001246	200	U 729.03	706-716	1&2&3&5
G116	798812.1	2002021	42	U 713.76	698-708	1&2&3&5
G116A	798806.7	2002021.5	1.8	U 714.06	668.5-673.5	1&2&3&5
G116D	798808.79	2002016.47		D 712.83	614.6-625.3	1&2&3&4
G117	799202.4	2002550.2	2.4	U 723.28	697.3-707.3	1&2&3&5
G118R	799604.1	2002790.5		717.61	701.3-710.8	1&2&3&5
G118A	799607.4	2002786.7		718.21	672.5-677.5	1&2&3&5
R119	799230.30	2003114.00		U 720.31	697.1-707.1	1&2&3&5
G119A	799230.3	2003126.2	3.8	U 720.51	669.6-674.6	1&2&3&5
G130						1&2&3&5
G130A						1&2&3&5
G132						1&2&3&4
G33S						1&2&3&5
G33D						1&2&3&5
G34S						1&2&3&5
G34D						1&2&3&5
G35S						1&2&3&4
G35D						1&2&3&4
G36						1&2&3&5
G37S						1&2&3&5
G37D						1&2&3&5
MW106	799325.6	2002065.6		725.89	664.4-674.4	1&2&3&4
P1	799343.5	2002055.9		727.69	689.7-694.7	1&2&3&4
B15R	800534.4	2002384		746.31	698.8-703.8	1&2&3&4
B15P	800417.4	2002387	1.5	U 741.50	678.3-683.3	1&2&3&4

* Sampled Interval is the length of the sand pack

Total Number of Samples

<u>Sampling Quarter</u>	<u>Analytical Parameters</u>	<u>Program Total Costs</u>
Jan-Feb	List 1 & 2 & 3 & 4	
April-May	List 1 & 2 & 3 & 5	
July-Aug	List 1 & 2 & 3 & 4 (for 5 Leachate Samples)	
Oct-Nov		
		Program 2 Grand Total

LIST 1

FIELD PARAMETERS

	<u>CAS Number</u>	<u>Method</u>
Bottom of Well<MSL>	n/a	Field
Depth to Water<BLGS>	n/a	Field
Depth to Water<BLTOIC>	n/a	Field
Groundwater Elev. <MSL>	n/a	Field
pH(unfiltered)	n/a	Field
Specific Conductance<unfiltered, umhos/cm 25C>	n/a	Field
Water Temp<deg. F>	n/a	Field

List 1 Total

LIST 2

MISCELLANEOUS CONSTITUENTS

	<u>CAS Number</u>	<u>Method</u>
Alkalinity (total)	n/a	E310.2
Biological Oxygen Demand (BOD)	n/a	E405.1
Chemical Oxygen Demand (COD)	n/a	E410.4
pH	n/a	E150.1
Total Dissolved Solids (TDS)	n/a	E160.1
Total Organic Carbon (TOC)	n/a	E415.1

List 2 Total

LIST 3

INORGANIC PARAMETERS

	<u>CAS Number</u>	<u>Method</u>
Aluminum (dis)		
Ammonia	7664-41-7	E350.2
Antimony (dis)		
Arsenic (dis)		
Barium (dis)		
Beryllium (dis)		
Boron (dis)		
Cadium (dis)		
Calcium (dis)		
Chloride(dis)	6887-00-6	E325.2
Chromium (dis)		
Cobalt (dis)		
Copper (dis)		
Cyanide (Total as Cn-)	57-12-5	E335.3
Fluoride (Total as F-)	7782-41-4	E340.2
Iron (dis)		
Lead (disl)		
Magnesium(dis)	7439-95-4	E200.7
Manganese (dis)		
Mercury (dis)		
Nickel (dis)		
Nitrate (as Nitrogen)	7727-37-9	E353.2
Potassium(dis)	7440-09-7	*V
Selenium (dis)		
Silver (dis)		
Sodium(dis)	7440-23-5	E200.7
Sulfates	4808-79-8	E375.2
Thallium (dis)		
Tin (dis)		
Vanadium (dis)		
Zinc (dis)		

* Analytical Methods for Flame Spectrophotometry, Varian, 1979

List 3 Total

LIST 4

ORGANIC CONSTITUENTS

	<u>CAS Number</u>	<u>Method</u>
2,4-D;2,4-dichlorophenoxy-acetic acid	94-75-7	SW8260
Acetone;2-Propane	67-64-1	SW8270
Acrolein	107-02-8	SW8080
Acrylonitrile;2-Propenenitrile	107-13-1	SW8150
Alachor*	15972-60-8	SW8015
Aldicarb; Temik	116-06-3	E619
Aldrin; Aldrex	309-00-2	
Atrazine	1912-24-9	
Benzene*	71-43-2	
Benzoic Acid	65-85-0	
bis (2-Chloroethoxy) methane	111-91-1	
bis (2-Ethylhexyl) phthalate	117-81-7	
bis Chloromethyl ether	542-88-1	
Bromobenzene; Phenyl bromide	108-86-1	
Bromochloromethane; Chlorobromomethane	74-97-5	
Bromodichloromethane; Dibromochloromethane	75-27-4	
Bromoform; Tribromomethane	75-25-2	
Bromomethane; Methyl bromide	74-83-9	
Butanol	78-92-2	
Butanol,1 n-Butyl alcohol	71-36-3	

Butanone, 2-; Methyl ethyl ketone; MEK	73-93-3
Butylbenzene, n-; 1-Phenylbutane	104-51-8
Butylbenzene, sec-; (1-Methylpropyl)benzene	135-98-8
Butylbenzene, tert-; (1,1-Dimethylethyl)benzene	98-06-6
Butylbenzyl phthalate	85-68-7
Carbofuran	1563-66-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56-23-5
Chlordane*	57-74-9
Chlorobenzene; Monochlorobenzene	108-90-7
Chlorodibromomethane; Dibromochloromethane	124-48-1
Chloroethane; ethyl chloride	75-00-3
Chloroethyl Vinyl Ether, 2-; (2-Chloroethoxy)ethene	110-75-8
Chloroform; Trichloromethane	67-66-3
Chloronaphthalene, 2	91-58-7
Chlorotoluene, o-	95-49-8
Chlorotoluene, p-	106-43-4
Cresol, p-; cresol, 4-	106-44-5
Cumene; (1-Methylethyl)benzene; Isopropylbenzene	98-82-8
Cymene; p-Isopropyltoluene, Dolicymene	25515-15-1
DDT; 1,1'-(2,2,2-Trichloroethylidene)bis[4-chlorobenzene	50-29-3
Di-n-butyl phthalate; Dibutyl phthalate	84-74-2
Dibromo-3-chloropropane, 1,2-; (DBCP)	96-12-8
Dichloro-2-butene, trans-1,4-	110-57-6
Dichlorobenzene, 1,2; o-Dichlorobenzene	95-50-1
Dichlorobenzene, 1,3; m-Dichlorobenzene	541-73-1
Dichlorobenzene, 1,4; p-Dichlorobenzene	106-46-7
Dichlorodifluoromethane; Difluorodichloromethane; Freon 12	75-71-8
Dichloroethane, 1,1-; Ethylidene chloride	75-34-3
Dichloroethane, 1,2-; ethylene dichloride*	107-06-2
Dichloroethylene, 1,1-	75-35-4
Dichloroethylene, 1,2-	540-59-0
Dichloroethylene, cis-1,2-	156-59-0
Dichloroethylene, trans-1,2-	156-60-5
Dichloropropane, 1,2-*	78-87-5
Dichloropropane, 1,3-; Trimethylene dichloride	142-28-9
Dichloropropane, 2,2-; Isopropylene chloride	594-20-7
Dichloropropene, 1,1-; 1,1-Dichloropropylene	563-58-6
Dichloropropene, 1,3-; 1,3-Dichloropropylene	542-75-6
Dichloropropene, cis-1,3-	10060-01-2
Dichloropropene, trans-1,3-	10061-02-6
Dieldrin	60-57-1
Diethyl phthalate	84-66-2
Difluorobenzene, 1,4-; p-Difluorobenzene	540-36-3
Dimethyl phthalate	131-11-3
Dimethylphenol,2,4-	1300-71-6
Endrin	72-20-8
Ethyl acetate	141-78-6
Ethyl Alcohol; Ethanol	64-17-5
Ethyl Methacrylate	97-63-2
Ethylbenzene	100-41-4
Ethylene dibromide (EDB); 1,2-Dibromoethane	106-93-4
gamma-BHC; 1,2,3,4,5,6-Hexachlorocyclohexane; Lindane	58-89-9
Heptachlor*	76-44-8
Heptachlor Epoxide*	1024-57-3
Hexachlorobutadiene	87-68-3
Hexanone, 2-; Methyl butyl ketone	591-78-6
Iodomethane; Methyl iodide	74-88-4
Isophorone	78-59-1
Methoxchlor	72-43-5

Methyl chloride; chloromethane	74-87-3
Methyl-2-pentanone, 4-; Methyl isobutyl ketone	108-10-1
Methylene bromide; Dibromoethane	74-95-3
Methylene chloride; Dichloromethane	75-09-2
Naphthalene	91-20-3
Nitrobenzene	98-95-3
Nitrophenol, 4-; p-Nitrohenol	100-07-7
Parathion; 0,0-Diethyl phosphorotioic acid	56-38-2
PCBs; Polychlorinated biphenyls*	1336-36-3
Pentachlorophenol*	87-86-5
Phenanthrene	85-01-8
Phenol	108-95-2
Propanol, 1-; n-Propyl alcohol	71-23-8
Propanol, 2-; isopropyl alcohol	67-63-0
Propylbenzene, n-; 1-Phenylpropane	103-65-1
Silvex; 2-(2,4,5-trichlorophenoxy)propionic acid; 2,4,5-TP	93-72-1
Styrene; Ethenylbenzene	100-42-5
Tetrachloroethane, 1,1,1,2-	630-20-6
Tetrachloroethane, 1,1,2,2-	79-34-5
Tetrachloroethene, 1,1,2,2-; Tetrachloroethylene*	127-18-4
Tetrahydrofuran; Tetramethylene oxide	109-99-9
Toluene; Methylbenzene	108-88-3
Toxaphene	8001-35-2
Trichlorobenzene, 1,2,3-	87-61-6
Trichlorobenzene, 1,2,4-	120-82-1
Trichloroethane, 1,1,1-; Methylchloroform	71-55-6
Trichloroethane, 1,1,2-	79-00-5
Trichloroethylene, Trichloroethene	79-01-6
Trichlorofluoromethane; Fluorotrichloromethane; Freon 11	75-69-4
Trichlorophenoxyacetic acid, 2,4,5-; 2,4,5-T	93-76-5
Trichloropropane, 1,2,3-	96-18-4
Trimethylbenzene, 1,2,4-; Pseudocumene	95-63-6
Trimethylbenzene, 1,3,5-; Mesitylene	108-67-8
Vinyl acetate; Ethenyl ester acetic acid	108-05-4
Vinyl chloride; Chloroethene*	75-01-4
Xylene, m-	108-38-3
Xylene, o-	95-47-6
Xylene, p-	106-42-3
Xylenes	1330-20-7

List 4 Total

LIST 5

ORGANIC CONSTITUENTS

Target Compound List (see Table 3-1 from Page1 Landfill QAPP)

CAS Number	Method
	SW8260
	SW8270

List 5 Total

MONTHLY PROGRESS REPORT

Prepared for the Pagel Landfill Remedial Design and Remedial Action

SITE NAME/ACTIVITY

Winnebago Reclamation Landfill (Pagel Landfill)
Remedial Design/Remedial Action

REPORT PERIOD

April 1995

REPORT DATE

May 1995

SIGNIFICANT ACTIVITY DURING THIS REPORTING PERIOD

The "Groundwater Remedial Alternative Analysis and Preliminary Design" was submitted on April 10, 1995. The document provides a technical summary of the design (30 percent level of completion) for the remedial design/remedial action (RD/RA) to be implemented at the Pagel Landfill Site. The preliminary design contains preliminary design documentation for the groundwater extraction and treatment system as specified in the ROD. Since the hydraulic properties of the aquifer is significantly different and the system design will be controlled by the required treatment level for ammonia, this document also provides a preliminary review of treatment alternatives that remove ammonia to anticipated discharge requirements.

Additional slug testing to reexamine or determine the hydraulic properties of approximately 34 wells was initiated in the last week of May, 1995. The testing will utilize a pneumatic device to depress water levels in the wells to be tested. Results from this testing will be used to verify assumptions in the groundwater flow model.

SAMPLING AND TESTING

No Samples were collected for analysis during this reporting period. Approximately 34 wells will be tested to determine hydraulic properties using a pneumatic slug test. The full list of wells are enclosed as an attachment.

DOCUMENTS SUBMITTED

The following is a list of submittals that have been submitted and are under review for approval and/or comments by the USEPA:

1. **30% Design Submittal for Remedial Action Components Outlined in The Landfill Management, Monitoring, and Closure Plan.** This document was submitted July 1994.

DOCUMENTS SUBMITTED - Cont'nd

- 2. Preliminary Design for the Groundwater Extraction and Treatment System.** This document was submitted April 10, 1995

PROJECT COMPLETION'S

The following item(s) have been approved and completed:

Land Notification Requirements

- 1. Notice of Consent Decree.** This notification has been filed at the Winnebago County Recorder of Deeds office.
- 2. Notice of obligation to provide access and deed restrictions.** This notification has been filed at the Winnebago County Recorder of Deeds office.
- 3. Notification that hazardous substances were disposed of on the property.** This notification has been filed in the land records at the Winnebago County Records' office.
- 4. Deed/Use Restrictions.** A deed/use restriction identical in form to appendix F of the Consent Decree has been filed in the land records at the Winnebago County Records' office.

Financial Assurance

- 5. Letter of Credit and Trust Fund.** A letter of credit in the amount of \$3.5 million has been issued by Bank One of Milwaukee, WI. A trust fund opened under the terms set forth in Appendix H of the Consent Decree has been established with First of America Bank of Rockford, IL. The Trustee of the fund has been approved by the USEPA and the third annual installment of \$400,000 into the fund was made during Jan-Feb., 1995.
- 6. Reimbursement for Past Response Costs.** Payment for "Past Response Costs" of \$492,000 to the USEPA for project oversight have been arranged and were paid during March 1993.

Project Planning Documents

- 7. Overall RD/RA Work Plan.**
- 8. Health and Safety Plan.**
- 9. Quality Assurance Project Plan.**

PROJECT COMPLETION'S - Cont'nd

10. RD/RA Work Plan - Groundwater Extraction and Treatment.
11. Landfill Management, Closure and Monitoring Remedial Design Work Plan.
12. Pumping Test Plan.

Field Work and Sampling

13. Phase I predesign studies for the groundwater extraction system. Groundwater sampling and piezometric surface elevations.
14. Phase II predesign studies for the groundwater extraction system. Drilling two new nested well groups (4 wells), piezometric surface elevations, and groundwater sampling from 12 wells.
15. Pumping test studies for the groundwater extraction system. Drilling two observation wells, one extraction well, and one bedrock groundwater monitoring well. In addition, groundwater samples were collected and a pumping test was performed.
16. Additional investigation west of Kilbuck creek and Northwest of fill area. Installation of 9 wells and collection of groundwater samples.

Predesign and Design Documents

17. Technical Memorandum summarizing Phase I predesign study results for the groundwater remedial design.

FUTURE ACTIVITIES

Completion of groundwater flow model, and submittal of the Preliminary Design for the groundwater pump and treat system.

ANTICIPATED PROJECT DELAYS

None are noted

COMMUNITY RELATIONS PLAN

A Community Relations Plan has not been developed for the Remedial Design/Remedial Action.

PREPARED BY:

Thomas Hilbert
Environmental Engineer
Winnebago Reclamation Service, Inc.
8403 Lindenwood Rd.
815/874-4806
Rockford, IL. 61109

CC: Bernie Schorle - USEPA Remedial Project Manager, Region V
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Fred Nika - IEPA Remedial Project Manager, Federal Section
Dan Burnell - GeoTrans, Inc., Supervising contractor
Raj Rajaram - PRC Environmental, USEPA Oversight Contractor

Enclosures:

- 1) Groundwater and leachate Analytical Data.
- 2) List of wells to be tested for determination of hydraulic conductivity.
- 3) Field Report, Well Construction, Boring Logs, and Geotechnical Sample results for new wells installed during March.

MONITORING WELL DATA FOR
ACME SOLVENTS/ PAGELS PIT STUDY AREA
Wells that are to be tested/retested for hydraulic conductivity using slug tests

WELL NUMBER	EASTING	NORTHING	HYDRAULIC CONDUCTIVITY (ft/d)		TOOC	MEASURING POINT TOIC	GROUND	BEDROCK	STICKUP	SCREENED INTERVAL	HYDRAULIC CONDUCTIVITY (cm/s)*
G104	799546.0	2002339.5			730.48	730.42	??		730.42	683.2	
G109A	801762.2	2001650.4	1.3E-02	D	761.26	761.03	759.10	730.00	1.93	679.4-689.4	4.6E-06
G113A	801714.8	2001430.9	1.5E-01	D	762.85	762.89	760.00	727.00	2.89	685-695	5.4E-05
G116A	798806.7	2002021.5	2.3E+00	U	714.23	714.06	711.40		2.66	668.5-673.5	8.0E-04
G118A	799607.4	2002786.7	1.1E+02	U	718.39	718.21	715.80		2.41	672.5-677.5	3.8E-02
G119A	799230.3	2003126.2		U	721.01	720.51	717.20		3.31	669.6-674.6	
G120B	802387.9	2001608.9		D		758.44	755.50		2.94	607.5-617.5	
G123	800818.7	2000211.0	3.4E+01	U	724.15	723.65	721.69		1.96	698.9-708.9	1.2E-02
G124	800814.6	2000400.6	8.6E+01	U	719.18	718.64	716.57		2.07	698.6-708.6	3.0E-02
G125	800808.8	2000597.1	6.7E+00	U	718.41	717.92	715.58		2.34	695.6-705.6	2.4E-03
G26S	800703.2	2000687.7	3.9E+02	U	716.81	716.25	714.23		2.02	694.2-704.2	1.4E-01
G26D	800711.1	2000679.9	1.0E+01	U	716.92	716.41	714.30		2.11	681.2-691.2	3.6E-03
G127	800652.3	2000805.3		U	719.84	719.24	717.34		1.90	?	
G128	800544.1	2000900.9		U	719.15	718.63	716.76		1.87	?	
G130A	799377.9	2001194.8		D	715.60	715.08	713.03		2.05		
G131A	799986.2	2000753.2		D	715.40	715.00	712.63		2.37		
G132	799383.7	2002040.7		D	727.85	727.65	725.66		1.99	626.7-631.7	
G33S				U							
G33D				U							
G34S				U							
G34D				U							
G35S				U							
G35D				U							
G36				U							
G37S				U							
G37D				U							
B13	800990.1	2001316.6	4.0E+00	D	739.69	739.46	736.60	718.00	2.86	703.9-708.9	1.4E-03
B15P	800417.4	2002387.0	4.3E+00	D	743.68	743.52	741.50	692.00	2.02	678.3-683.3	1.5E-03
MW106	799325.6	2002065.6		U	727.47	725.89	724.90		0.99	664.4-674.4	
P1	799343.5	2002055.9		U	728.06	727.69	725.50		2.19	689.7-694.7	
P4R	799555.9	2001885.1	6.5E+02	U	749.98	749.80	748.20		1.60	679.8-684.8	2.31E-01
E2A	801207.4	2000003.3		U		723.97	721.90		2.07		
E3A	800744.2	2000042.0		U		717.56	714.50		3.06		
E4A	800273.3	2001042.7		U		719.91	718.50		1.41	681.1-691.1	